

FUND 120

E-911

Board of Supervisors' Adjustments

The following funding adjustments reflect all changes to the FY 2003 Advertised Budget Plan, as approved by the Board of Supervisors on April 29, 2002:

- ◆ A net decrease of \$245,584 as part of the \$28.8 million Reductions to County Agencies and Funds approved by the Board of Supervisors to allow for a two-cent real estate tax rate reduction and to provide additional funding for the Fairfax County Public School system. This reduction includes a decrease of \$245,584 in the General Fund Transfer, offset by an increase of \$245,584 in revenue due to an unanticipated reimbursement for radio hardware.

The following funding adjustments reflect all approved changes to the FY 2002 Revised Budget Plan from January 1, 2002 through April 22, 2002. Included are all adjustments made as part of the FY 2002 Third Quarter Review:

- ◆ A net increase of \$613,038 due to an increase of \$2,216,250 in Personnel Services primarily to satisfy overtime demands placed on staff due to an 8.3 percent increase in call volume, partially offset by a decrease of \$1,191,847 in Operating Expenses primarily due to savings achieved in projected 9-1-1 computer system and telecommunication expenses, and a decrease of \$411,365 in Information Technology (IT) Projects mainly due to savings in actual project requirements.
- ◆ A decrease of \$881,785 in revenue primarily due to revised projections in E-911 fees based on FY 2001 actual collections as well as FY 2002 year-to-date receipts.
- ◆ An increase of \$1,494,823 in the General Fund Transfer which will totally offset the increase in expenditures and the decrease in revenue.

County Executive Proposed FY 2003 Advertised Budget Plan

Purpose

This fund accounts for E-911 revenues and expenditures separately as stipulated by Virginia General Assembly legislation approved in 2000. Prior to FY 2001, E-911 fees were reflected in the General Fund and Fund 104, Information Technology. Fund 120, E-911, recognizes revenue from estimated E-911 fees and Commonwealth reimbursement associated with Wireless E-911. All expenditures allowable by law directly associated with the Public Safety Communications Center (PSCC) are billed directly to this fund. Information technology projects associated with the PSCC are also budgeted in this fund. A General Fund Transfer supports any difference between revenues and expenditures.

FY 2003 Initiatives

FY 2003 funding in the amount of \$24,285,165 has been provided to support the E-911 program. Of this amount, \$4,666,094 is supported by a General Fund Transfer and \$19,619,071 is supported by E-911 fees, wireless reimbursement, interest income, and other reimbursement revenues. An amount of \$5,034,539 has been included for Information Technology initiatives associated with the PSCC. Details of specific projects are included on the Project Detail Table that follows. In addition to these specific projects, the County is reviewing requirements and possible funding alternatives for the expansion of the public safety radio system to enhance radio coverage capability.

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Funding Adjustments

The following funding adjustments from the FY 2002 Revised Budget Plan are necessary to support the FY 2003 program:

- ◆ An increase of \$695,828 in Personnel Services associated with salary adjustments necessary to support the County's compensation program.
- ◆ An increase of \$201,484 in Personnel Services based on the FY 2003 Market Index of 2.67 percent is included for employees on the public safety pay scales (C, F, O and P), effective the first full pay period of FY 2003.
- ◆ An increase of \$1,313,948 in Personnel Services associated with extra pay and shift differential requirements for existing staff primarily due to increasing call volumes, as well as overtime requirements for staff training associated with the continued implementation of the Emergency Medical Dispatch program.
- ◆ An increase of \$478,013 in Operating Expenses primarily due to the following telecommunications expenses: continuing 9-1-1 service charges, full-year impact of 9-1-1 equipment charges, one-time 9-1-1 database charge, 6 months of post-warranty 9-1-1 system maintenance, and the Verizon-provided SONET redundant network that connects the eight trunked radio sites.
- ◆ Funding of \$5,034,539 for IT Project expenses, including \$1,667,342 to complete the mobile data communications system component of the CAD system, \$2,327,197 for the wireless voice radio project, \$520,000 to expand the pilot testing of portable hand held mobile data terminals, \$400,000 for the replacement of outdated voice logging equipment, and \$120,000 to create an onsite training facility to accommodate training requirements of PSCC staff.

The following funding adjustments reflect all approved changes to the FY 2002 Revised Budget Plan since passage of the FY 2002 Adopted Budget Plan. Included are all adjustments made as part of the FY 2001 Carryover Review and all other approved changes through December 31, 2001:

- ◆ As part of the *FY 2001 Carryover Review*, an increase of \$7,479,697 due to the carryover of unexpended IT Project balances in the amount of \$6,977,710 and an increase of \$501,987 in the Public Safety Communications Network Project to begin to provide sufficient radio coverage for Public Safety agencies.
- ◆ As part of the *FY 2001 Carryover Review*, an increase of \$300,000 in Personnel Services to support additional overtime requirements for the PSCC staff.

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FUND STATEMENT

Fund Type G10, Special Revenue Funds

Fund 120, E-911

	FY 2001 Actual	FY 2002 Adopted Budget Plan	FY 2002 Revised Budget Plan	FY 2003 Advertised Budget Plan	FY 2003 Adopted Budget Plan
Beginning Balance	\$0	\$0	\$7,779,697	\$0	\$0
Revenue:					
E-911 Fees	\$14,886,837	\$16,030,656	\$15,000,000	\$16,256,799	\$16,256,799
State Reimbursement (Wireless E-911)	1,621,624	1,979,879	2,319,277	2,729,562	2,729,562
Interest Income	368,472	538,605	348,078	387,126	387,126
Other Revenue	0	0	0	0	245,584
Total Revenue	\$16,876,933	\$18,549,140	\$17,667,355	\$19,373,487	\$19,619,071
Transfer In:					
General Fund (001)	\$2,587,445	\$3,796,353	\$5,291,176	\$4,911,678	\$4,666,094
Information Technology (104) ¹	7,491,485	0	0	0	0
Total Transfer In	\$10,078,930	\$3,796,353	\$5,291,176	\$4,911,678	\$4,666,094
Total Available	\$26,955,863	\$22,345,493	\$30,738,228	\$24,285,165	\$24,285,165
Expenditures:					
Personnel Services	\$8,295,238	\$9,250,752	\$11,767,002	\$11,762,012	\$11,762,012
Operating Expenses	4,385,575	7,010,601	5,818,754	7,488,614	7,488,614
IT Projects	6,495,353	6,084,140	13,152,472	5,034,539	5,034,539
Total Expenditures	\$19,176,166	\$22,345,493	\$30,738,228	\$24,285,165	\$24,285,165
Total Disbursements	\$19,176,166	\$22,345,493	\$30,738,228	\$24,285,165	\$24,285,165
Ending Balance	\$7,779,697	\$0	\$0	\$0	\$0

¹ In FY 2001, funding for PSCC Information Technology projects was transferred from Fund 104, Information Technology, to Fund 120, E-911.

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IT0001	Public Safety Communications Network/Systems				
Total Project Estimate	Prior Year Expenditures	FY 2001 Expenditures	FY 2002 Revised Budget Plan	FY 2003 Adopted Budget Plan	Future Years
TBD	\$18,026,006	\$6,495,353	\$13,563,837	\$5,034,539	TBD
<p>This project was established in FY 1995 to replace and upgrade the County's critical Public Safety Communications Network (PSCN) and its component systems. Funding for this project is provided from E-911 fees. The network's component systems are vital for ensuring immediate and systematic response to emergencies, and replacement and enhancement is necessary to maintain performance, availability, reliability, and capacity for growth due to increases in County population and demand for public safety services. The PCSN supports emergency communications of the Police, Fire and Rescue, and Sheriff's departments. This includes public safety call taking (E-911, Cellular 911, non-emergency), dispatching, and all affiliated communications support. Two of the major technologies utilized are a Computer-Aided Dispatch (CAD) system with an integrated mobile data communications component and a wireless digital radio network for voice communications.</p> <p>The CAD system is used to dispatch appropriate equipment and personnel to events and emergencies and to communicate and track up-to-date information in a rapidly changing environment. The mobile data communications component of CAD allows the dispatch of resources with minimal voice communications, provides field units direct access to local, state, and national data bases, and allows continuous contact with the Public Safety Communications Center (PSCC). This project replaces and upgrades CAD and its mobile data communications component originally implemented in 1986. The old systems are technologically obsolete, severely undersized, and at the end of their effective, supportable life cycle. Replacement ensures continued reliable operation of these critical systems, incorporates software, hardware, and user functionality advances made since the 1980's, and allows for future migration in capability as new technologies emerge.</p> <p>Migration to the new digital radio network is necessary to accommodate growing public safety voice communications requirements and to remedy performance, coverage, fragmentation, and reliability problems associated with an aging, technologically obsolete system at the very end of its sustainable life cycle. Deficiencies in the old system severely impeded critical communications and safety in emergency situations. The new trunked wireless digital voice communications system consolidates all County public safety voice communication and is designed to address coverage, reliability, and operational limitations of the old system used by public safety agencies in the County. It provides capacity for growth and enhancement for the next twenty years.</p> <p>FY 2003 funding is included for: the lease purchase payment and remaining consultant services to complete the mobile data communications system component of the CAD system (\$1,667,342) and the sixth year of a ten-year lease purchase payment for the wireless voice radio project (\$2,327,197). Funding is also included to expand the pilot testing of portable hand held mobile data terminals (\$520,000); to provide for the replacement of outdated voice logging equipment (\$400,000); and to create an onsite training facility to accommodate training requirements of PSCC staff (\$120,000). All of these projects are critical to the County's public safety emergency communications capabilities. These projects are entirely supported by E-911 fees.</p> <p>Return on Investment (ROI): The return on investment for this project is realized by the performance, productivity, and effectiveness of public safety services in Fairfax County. Replaced and upgraded technology for these systems is critical to the safety of the public and the public safety personnel they support. They preserve the investments in technology that have been made and allow increased functionality, performance, and reliability to be achieved to facilitate responses to, and management of, emergencies. They mitigate the need for extraordinarily large additions of personnel that would be necessary to provide the same level of service and results without this technology. The increased access to important information, improvements to maintenance and reliability, increased capacity for growth, and enhanced functionality for users now and for the future built upon past investments, responds to critical existing requirements, and sets the stage for the next generation of public safety communications technology.</p>					